

REPLY TO OFFICE ACTION
DATED JANUARY 3, 2008

Appln. No. 09/744,351

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Amendments to the Claims

This listing of claims replaces all prior versions and listings of claims in the application.

Listing of Claims

Claims 1-36 (canceled).

37 (new). An insulation module for a process vessel having a sidewall, said process vessel for containing a material to be maintained within controlled temperature limits for use in a process, said insulation module comprising:

an outer surface layer;

a thermal insulation layer attached to said outer surface layer and opposing a portion of said sidewall of said process vessel;

a plurality of first fasteners extending between said outer surface layer and said thermal insulation layer for attaching said thermal insulation layer to said outer surface layer;

a plurality of brackets extending from said outer surface layer to said sidewall of said process vessel, said brackets being securable directly to said sidewall; and

a plurality of second fasteners extending between said outer surface layer and said brackets for attaching said outer surface layer to said sidewall of said process vessel, said thermal insulation layer being positioned at a distance from said sidewall by said brackets and thereby defining an air gap between said thermal insulation layer and said sidewall.

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38 (new). An insulation module according to Claim 37, wherein said outer surface layer comprises a corrugated panel having a plurality of crests and troughs.

39 (new). An insulation module according to Claim 38, wherein said first fasteners are attached to said corrugated panel at said troughs and said second fasteners are attached to said corrugated panel at said crests.

40 (new). An insulation module according to Claim 37, wherein said thermal insulation layer is a fibrous material treated to prevent escape of fibers.

41 (new). An insulation module according to Claim 40, further comprising a support mesh positioned between said thermal insulation layer and said sidewall of said process vessel.

42 (new). An insulation module according to Claim 37, wherein said second fasteners comprise a fixing screw.

43 (new). An insulation module according to Claim 40, further comprising a speed clip member secured to said fixing screw.

44 (new). An insulation module according to Claim 37, wherein each said bracket includes a mounting leg for supporting said outer surface layer away from said sidewall of said process vessel.

45 (new). An insulation module according to Claim 44, further comprising a plurality of cleats attachable to said sidewall, said mounting legs of said brackets being secured to said cleats.

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46 (new). An insulation module according to Claim 44, further comprising a plurality of thread rod stubs for securing said bracket mounting legs to said sidewall, each of said bracket mounting legs including at least one opening therethrough to accommodate one of said thread rod stub.

47 (new). An insulation module according to Claim 37, wherein said thermal insulation layer is selected from the group of material consisting of rock wool, fiberglass, PIR foam, PUR foam and combinations thereof.

48 (new). An insulation module according to Claim 37, further comprising a support mesh positioned between said thermal insulation layer and said sidewall of said process vessel, said first fasteners extending between said outer surface layer and said support mesh securing said thermal insulation layer to said outer support layer.

49 (new). A method of installing insulation on a sidewall of a process vessel, said method comprising:

- attaching a thermal insulation layer to an outer surface layer using a plurality of first fasteners;

- attaching said outer surface layer to said sidewall of said process vessel using a plurality of brackets positioning said outer surface layer at a distance from said sidewall and thereby defining an air gap between said thermal insulation layer and said sidewall; and

- attaching said outer surface layer to said brackets using a plurality of second fasteners.